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TETLEYUS GERELMANI SP. N. (NEMATODA, ONYURIDA, THELASTOMATIDAE) FROM HIND GUT OF SCARABAEID LARVAE

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Indeyau gekebranisp. а. (Neemstada, Oxyurida, Taelantomalidae)) годинай кишка лючнок или егинчистобусна жухба. Спіріднями С. Е. — Отнелно повий выс окстурідних нематол. — Tedeyau gekulmuni sp. п., зациної кишки дленник жухов триби Мескованівів, зібршику у Цюрупівському районі. Херсовеньюю боласть Він подібний за ізники видло роду Tedeyae з ангиноки пластинчаєтому риз жумін. — Т. регісорії Dala, 1964 та Г. місту Dala, 1965, аде відрэвыється формою касстового кінця, пиложувник генізальних патій, формою стикули, допединою стравокога та кутикулярного лічникочього чехлика кампів. Т. gekrimani sp. п. — перший вид зетхейуста, описаний з Палеаратичної області.

Клинчові слова: нахийнад, вемитоди, пластинчастовуєї жуки. Україна.

Letteras geketwani sp. n. (Nemaioda, Oxyarida, Thelasiomatidae) from Vind Gut of Scaraboedd Larvae, Spiridenew S. E. — Teiteras geketrani sp. n. is described from bind gut of Meledonthini berth larvae collected in Taurapass district of Khoman region: T. gustafrana p. n. is nesembling other Teiterau species described from scaraboeid larvae: T. pericopet Dalo. 1964 and T. mierzi Dalo. 1965 hat differs in the tail shape, distribution of genital pupillae, spic ulla shape, described from the Paleantic region.

Keywords: new species, Nematoda, Melalonthiai, Ukndae.

Nemanodes of the family Thelastomatidae inhabit the hind gut of different arthropods, diplopeds, enckroaches, tipulids and mole-crickets. It is presented now, that all these enthropods are churecterized by the besternal fermentation of refulious which occurs in the posterior divisions of affirmoso intestine and thelastomatids are feeding mainly on the rich bacterial barvest in the lumin. It is only the barval stages of a beetles of Scotabacidae family which can harbour the thelastomatids. Peculiar thelastomatids were described (Dade, 1964) from bind gut of New Zealand Scarabacidee of the genus Perkopins. It was found that males of these thelastomatids retain the IV stage juvenile alate raticle on the surface and new genus Fetheyas was established for these nematodes. The nematodes of the genus Fetheyas who catalished for these nematodes. The nematodes of the genus Fetheyas who only from New Durand beetle and upul alarva (Dale, 1965, 1966). Fetheyas nematodes were recorded until now only from New Zealand. The description of tow species of Tetleyan from South Unionics is presented below.

Tellevus gekelmani Spiridonov, sp. n. (Fig. 1)

Matarial: Holocyte — C (length 775 nm, maximal body diarneter 90 mm, ocsophagus length 200 mm, tail length 78 mm, spicula 57 nm); Paratypes 4 C , 4 9 .

Measurements: Table 1

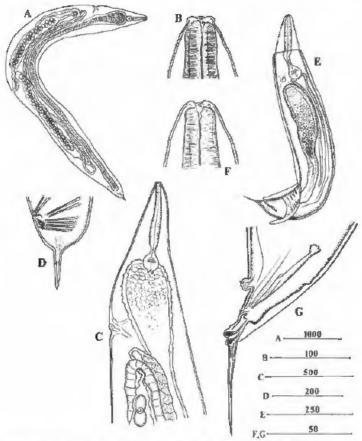
Description: Male body spindle-shaped, colourless, cavered with additional culticular abeath with prominent value of IV stage cuticle starting on the level of isthmus and ending on the closes level with posteriorly directed rounded edges. Body cuticle innochated with smooth surface only on explainic capsula and on the dorsal side of tail over the dorsal cuticular theybering. Cuticular rings 4 mm wide on vescophagus level, 9—10 mm wide in the middle of the body

Measurements and de Man ratios of Tesleyus gehelmoni sp. n. (in mm, meant S.D. and range)

Рамерка и инценсы де Мана Telleyus gehelmani sp. н. (в мим; среднее вначение, стяндартное втяжащение и предоды васочными

	Males (am5)	Formales (n=4)
Longth	913±1314 (775-1045)	498711136(3590-6370)
Maximal diameter	102.447.5(90-110)	232+37.7(190-280)
Ocsophagus length	204±11.4(190-220)	523±23.6(490-545)
Tail length	91 4±16.4(80-128)	275631 9(220-340)
Exerciory page from antiend	220 6±14.2(204-238)	7854118(620-900)
Spicula length	60.8±6.7(52-66)	
N.	89±0.8(7.7-9.9)	21.5±4.1(17.6-26.5)
3	4.5±0.8(3,7-5.5)	9.5±1.8(7.3-11.7)
2	10.1+1.8(8.7-12.7)	(B.B16.2(12,4-25.5)
V%	_	53 ±0.1 (4 R-66)%

S E Spiridonos



Tetlerus geketmen: sp. n. A — female: B — female, licad end; C — female, amerior end; D — female tuit; E — mule; F — mule, head end; G — mule tait, (all in lateraly sex, bors in mul).

Yethy we gelehrom; ур. п.; А — самия. В — головной конец самия. С — перешний конец тела самия. D — хвостовой конец самия. В — самец, Р — головкой конец самия. С — хвостовой конец самия. Масш табная пинейка в мим

(beneath the IV-stage outlete). Fine transversal striation covers body tail region. Cephialic capsule 35 ram wide and 17—18 run long. Poorly conspicuous baccal cavity 6—7 runs wide and 6—8 run long. Amphadial pouch and four sensillar probably belonging to the cephalic circle) are footable on the stormal level. Occophagus with eviluatival corpus 20 run chameter, divided from isthmus by promatent fibers and proform bufb. Value plates and posterior additional contextual theterangs present in the bufb. Exerctory pose on the layed of the bulb or slightly befind. The only exercisary vesticle can be distinguished. Testis flexure is in 26–30 run behind the bulb. Different stages of spermaticous muturative are present in testis lumen. Thoughted spermaticate (in spermaticay) are knealized in varieties. Cepulatory apparatus consists of single red-like spicule. Cubernacolum absent. Specula with widened capitalism and very thin shaft. Two big prematicipal pupillar are situated on the rounded median protuberance. A pair of small popillar can be observed on the cloaca level. Two pairs of papillar are present also on the fillium part of a tail. A pair of single politic is strongly thickcard in decad pair of the tail region.

Figurate body cylindrical with conteally tapering anterior and and rounded tail with pro-shaped terminal part. Body colleges except the brown inner filling of intestine. No additional custorian cover. Custode annulation visible only on the

anterior part of the body with ring width about 6-7 mm. Postetionly cutted annulation is nearly disappearing. Cephalic capsula without annulation, 3.5 mm long and 60 mm wide with prominent 8 pseudolabra anteriorly. Araphidial pouches and four sensitiac can be distinguished on pseudolabra. Blue at cavity very shallow—12—14 mm wide and only 3—4 mm long with narrow 16 mm long and 2—3 mm wide telestome. Desophagus with widening posteriorly corpus and short silbrius with bendles of fibers on the border with corpus. Valves and posterior cuttedlar thickenings present in the bulb. Catredlar cardial laring protrudes into intestinal lumer. Proventricular part of intestina consists of hexagonal or body-gonal cells. Excretory pore beliand the bulb level, connected with prominent exercity weight. Four exercity channels are poorly visible. Median volvar apening. Didelphic, with doubly reflexed ovaries. Long uteri filled with numerous elliptic eggs. Egg-shells smooth, without operculae, 67—74×38—47 mm "Didator ari" muscles well developed.

Type hast and locality. Totlesus geleliums sp. tt. nematodes were recovered from hind gut of 3 beetle larvae (Melolonthini) hetween 5 dissected. Larvae were collected from beneath the rotten wood trunk in pine plantation close to the road between the town of Tsuringmisk and Bobshiye Kopani village. October 26, 1995

Bepasition of type unaterial. Holotype — male (tc 400) and female paratype (tc 401) are deposited in the collection of Moscow State University Zoological Museum. One paratype is deposited at Zoological Institute of Ukrainian Academy of

Sciences. Other paratypes are stored in the Institute of Parasinology, Russian Academy of Sciences.

Differential diagnosis: Belonging to the genus Tetleyus Dale, 1964 the normodes described above are characterized by the presence of allate IV-stage juvenife entirity over mature males, possess two pairs of adaptillate and have two pairs of postinal papillate. Position of excretory pore in these nematodes corresponds to that described for Tetleyus. Tetleyus galetimans sp. n. is similar in insuphology to the other species of the genus described from searabased larvae. Typericopii Dale, 1964 (type species) and, especially, to T miersi Dale, 1965. Though T geledimans sp. n. mules or smaller than those of T. miersi and de Man ratius "a" and "c" are lower in Biratinian specimens, these two species are the closest ones with similar see of females and egg-shells and doubly seflexed owners. Despite similarity, T geledimans sp. a. can be distinguished from T miersi is the distribution of papillate on male tail. T intersi is characterized by two more prominent candal papillate. Larvat aiate outsels owers lesser length of T, miersi males, with posteriorward edges of afact in about 75% of the body length. Buccal cavity of T, gelediman sp. n. females is narrower than in T. miersi. Exerctory pure is situated more americally in T golediman sp. n. males, The most important difference is the spicula morphology twhich is very stable specific feature in thelastematids). T. miersi males possess very thin red-like spicula.

Etymology: The specific name is given after Mr. Andrei A. Gokelman, who invited the author to visit Kherson and enable the trip to Tsoropinsk region for rematede collection.

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